

Please type a plus sign (+) inside this box →

PTO/SB/05 (4/98)

Approved for use through 09/30/2000. OMB 0851-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. 100.718.439

First Inventor or Application Identifier David A. Cathey et. al.

Title LOW WORK FUNCTION EMITTERS AND METHOD
FOR PRODUCTION OF FED'S

Express Mail Label No. EL365623674US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. * Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. Specification [Total Pages 13]
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to Microfiche Appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
3. Drawing(s) (35 U.S.C. 113) [Total Sheets 2]
(Informal)
4. Oath or Declaration [Total Pages 2]
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 C.F.R. § 1.63(d))
(for continuation/divisional with Box 16 completed)
 - i. DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

NOTE FOR ITEMS 1-4: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.26).

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

Continuation Divisional Continuation-in-part (CIP) of prior application No. 09 / 105,613

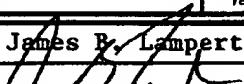
Prior application information: Examiner Patel, A. Group / Art Unit 2879

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label Correspondence address below
(Insert Customer No. or Attach bar code label here)

Name	Michael A. Diener			
Address	Hale and Dorr LLP 60 State Street			
City	Boston	State	MA	Zip Code
Country	USA	Telephone	(617) 526-6454	Fax (617) 526-5000

Name (Print/Type)	James B. Lampert	Registration No. (Attorney/Agent)	24,564
Signature		Date	1/21/00

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

EXPRESS MAIL LABEL NO. EL365623674US

DATE OF DEPOSIT JANUARY 21, 2000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: David A. Cathey et al.
Serial No.: To Be Assigned
Filed: Herewith
For: LOW WORK FUNCTION EMITTERS AND
METHOD FOR PRODUCTION OF FED'S
Attorney Docket No.: 100.718.439

Box PATENT APPLICATION
Assistant Commissioner for Patents
Washington, DC 20231

TRANSMITTAL LETTER

Attached hereto for filing in the United States Patent Office under 37 C.F.R. § 1.53(b) are the following documents:

1. Utility Patent Application Transmittal, including;
Photocopy of patent application filed June 26, 1998,
comprising: 7 pages of Specification, 5 pages of Claims,
1 page of Abstract, and 2 sheets of Informal Drawings;
2. Photocopy of Combined Declaration and Power of Attorney;
3. First and Second Preliminary Amendment, including
1 Sheet of Formal Drawings (Figs. 1-3); and,
4. Fee Transmittal (*in duplicate*).

Also enclosed is a self-addressed, postage prepaid postcard. Please return this postcard indicating the date of receipt by the U.S. Patent Office of the subject application for our files.

"Express Mail" Mailing Label No. EL365623674US
Date of Deposit: January 21, 2000

Cathey et al.
Serial No. TBA
Page 2

Please charge any fee deficiency or credit any overpayment in connection with
this matter to Deposit Account No. 08-0219.

Respectfully submitted,

Date: January 21, 2000



James B. Lampert
Registration No. 24,564
Attorney for Applicants

Hale and Dorr LLP
60 State Street
Boston, Massachusetts 02109
Tel: (617) 526-6000
Fax: (617) 526-5000